



SERVICE BULLETIN

Kodak MULTILOADER

Eastman Kodak Company, Health Imaging, Rochester, New York 14650

SERVICE BULLETIN NO. 277

March 1998

3053 *Kodak* MULTILOADER 700
3443 *Kodak* MULTILOADER 700 PLUS
3066 *Kodak* MULTILOADER 700/700 PLUS SIDE-BY-SIDE KIT

Type 1 Required Modifications Available

Mods No. 1 and 2 for the *Kodak* MULTILOADER 700 PLUS

Mod No. 31 for the *Kodak* MULTILOADER 700

Mod No. 2 for the *Kodak* MULTILOADER 700/700 PLUS SIDE-BY-SIDE KIT

***Kodak* MULTILOADER 700 PLUS, Modification No. 1**

Purpose: To install a new DOOR INTERLOCK ACTUATOR ASSEMBLY for safety purposes.

Serial Number: 50 Hz 3000 - 3100
60 Hz 7000 - 7075

Installation Time: 0.5 hours

Instructions: MA3443-1

Part Number: 9280406

***Kodak* MULTILOADER 700 PLUS, Modification No. 2**

***Kodak* MULTILOADER 700, Modification No. 31**

Purpose: To install a HOSE LOOP at the COMPRESSOR to prevent the flow of condensation back into the COMPRESSOR. This Mod applies to both the MULTILOADER 700 and 700 PLUS.

Serial Number: All MULTILOADER 700s
MULTILOADER 700 PLUS 50 Hz 3000 - 3348
MULTILOADER 700 PLUS 60 Hz 7000 - 7225

Installation Time: 0.5 hours

Instructions: MA3053-31

Part Number: 9286496

Repair Kits Available

The REPAIR KIT 9280706 for the MAGAZINE DOOR SPRING is now available. If the MAGAZINE DOOR for the *Kodak* MULTILOADER 700 PLUS does not open, the MAGAZINE DOOR SPRING might be the problem. An adjustment to the SPRING will not permanently correct the problem. To correct the condition, install the new SPRING that is now being installed in the MULTILOADER 700 PLUS, starting with serial number 3353, 50 Hz, and serial number 7239, 60 Hz.

The FILM OUT OF CASSETTE B6 SENSOR, 9181106 for the *Kodak* MULTILOADER 700 is no longer available. Use REPAIR KIT 9194416. This kit cannot be used in a MULTILOADER 700 PLUS. The new SENSOR kit includes a TRANSMITTER and RECEIVER. The RECEIVER has below it a BOARD with 2 test points. These test points are used for the adjustment of the new SENSOR. No adjustments are made on the A9 BOARD, making this setup simpler. Installation and adjustment instructions are packed with the REPAIR KIT for the SENSOR.

Kodak MULTILOADER 700 and 700 Plus F9 FUSE Blowing Problem

The field has experienced problems with the COMPRESSOR F9 FUSE blowing for no apparent reason. This problem is most likely caused by the MANOMETRIC PRESSURE SWITCH, S28. When the correct pressure is reached, the COMPRESSOR is switched off by S28 and the PRESSURE HOSE is vented through the BLEEDER VALVE, SV7. If the MANOMETRIC SWITCH is bouncing, the PRESSURE HOSE will not vent fast enough and the COMPRESSOR is switched on again. The COMPRESSOR cannot run because there is still air pressure in the system. This causes the COMPRESSOR to draw too much current and the FUSE will blow. If this happens, replace the MANOMETRIC SWITCH, S28, Part No. 9186676, not the COMPRESSOR.

New MAGAZINE OPENER SOLENOID for the *Kodak* MULTILOADER 700

The MAGAZINE OPENER SOLENOID 9180906 is no longer available. Use SOLENOID 9180907. The new SOLENOID has improved wire, but the COIL is larger in diameter than the old COIL. When installing a new SOLENOID, use only the SCREWS provided. If you use the old SCREWS, which are longer on a new SOLENOID, the SCREWS might cause a short-circuit against the COIL.

New *Kodak* EC-L FILMS

Kodak MULTILOADER 700.....EC-L FILMS cannot be used in the MULTILOADER 700

Kodak MULTILOADER 700 PLUS.....EC-L FILMS can be used. It is possible that the last film might not be detected in the MAGAZINE. The display might indicate the MAGAZINE is empty but the last film is inside. Additionally, check that the FILM PRESENCE DETECTORS are adjusted to the procedure in the Service Manual.

Kodak X-Omat MULTILOADER 300.....EC-L FILMS can be used. As with the MULTILOADER 700 PLUS, the last film might not be detected in the MAGAZINE and it will stay there.

New VACUUM PUMPS for the *Kodak* MULTILOADER 700 and MULTILOADER 700 PLUS

Starting with serial number 3292, 50 Hz and serial number 7211, 60 Hz new VACUUM PUMPS are being installed. The new VACUUM PUMPS have improved DIAPHRAGMS. The new VACUUM PUMPS and REPAIR KIT should be used in both the MULTILOADER 700 and the MULTILOADER 700 PLUS.

Description	Part No.
VACUUM PUMP, 50 Hz	9285501
VACUUM PUMP, 60 Hz	9285601
REPAIR KIT for the VACUUM PUMP	9285706

Improved POWER SUPPLY for the *Kodak* MULTILOADER 700 and MULTILOADER 700 PLUS

An improved POWER SUPPLY is used in the MULTILOADER 700 PLUS. This SUPPLY is also used as a replacement part for the MULTILOADER 700. When you install a new style POWER SUPPLY:

- Only use the SCREWS provided to mount the new POWER SUPPLY. The SCREWS are a different size.
- Do not connect the POWER FAIL DETECT (PDF) wire to the new SUPPLY.
- Some of the DC TERMINAL labels are different. The new SUPPLY has one TERMINAL for V1+ and one for V1-. Connect the V1 wires to the appropriate LUG. All of the other connections are the same.

***Kodak* MIN-R 2000 Film, Plus Density Artifacts**

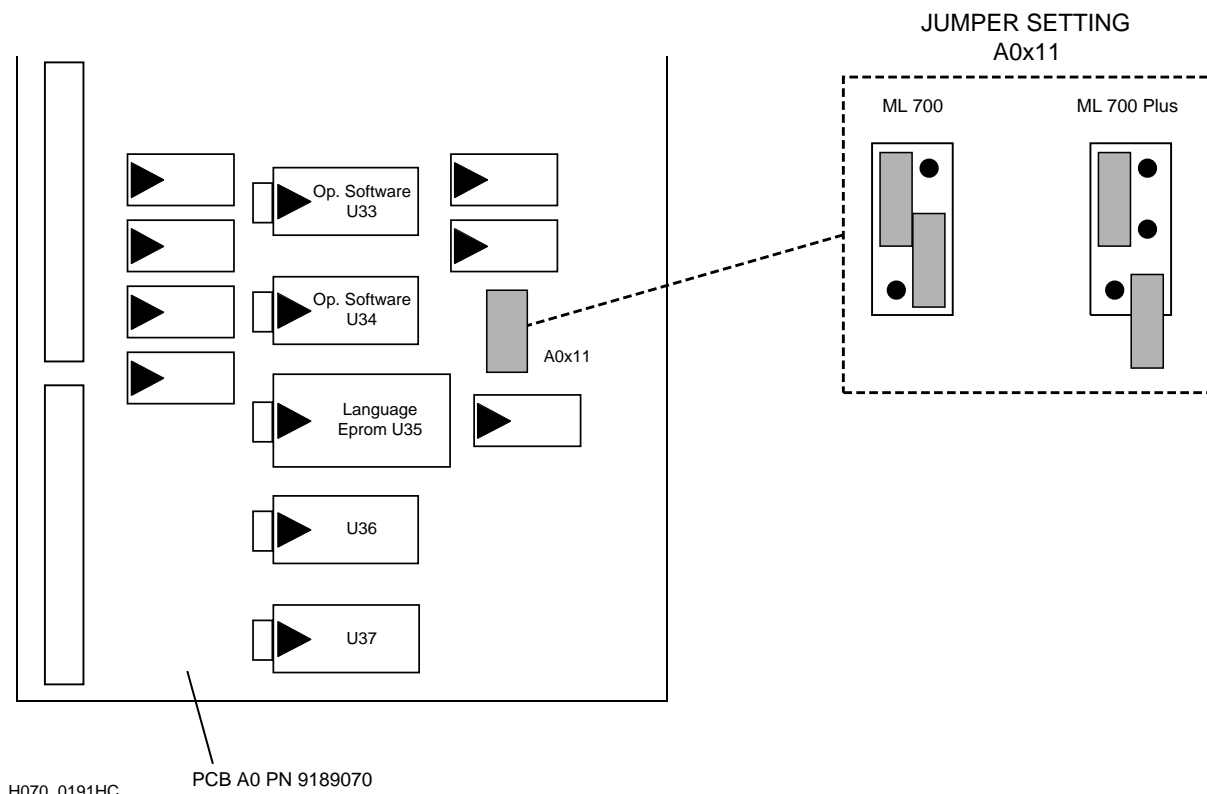
If you experience plus density artifacts on MIN-R 2000 films that are at the trailing edge of the film and are about 20 cm (8 in.) apart, check the O-RINGS on the FILM POCKET GUIDES. If they are black rubber O-RINGS, replace them with foam ROLLERS. The foam ROLLERS are already on the bottom GUIDE. Replace all of the top O-RINGS with the foam ROLLERS, Part No. 9184396.

New A0 BOARD for the *Kodak* MULTILOADER 700 and MULTILOADER 700 PLUS



Important

When you install a new PRINTED CIRCUIT BOARD A0, Part No. 9189070, see the figure below to set the JUMPER A0X11.



The MULTILOADER 700, A15 BOARD which was part of Mod 24, Publication No. MA3053-24, 7/96, is no longer necessary. Insert the LANGUAGE EPROM U35 directly into the SOCKET U35.

The MULTILOADER 700 PLUS, A15 BOARD which was used up to serial number 3372, 50 Hz and serial number 7273, 60 Hz is no longer necessary. Insert the LANGUAGE EPROM U35 directly into the SOCKET U35.

Dave Guild, Service Engineer, Rochester

For More Information Contact:

U.S. Distributors Contact:

Health Imaging
Film Handling TAC
1-800-822-1414

GCSS Personnel Contact:

Film Handling TAC
U.S.: 1-800-822-1414
Canada: 1-800-433-1414

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